APRIL/MAY 2024

CEBT63A — FORENSIC SCIENCE

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define crime.
2. Outline about property crime.
3. What is Lugol stain?
4. Name any two samples of criminal which can be examined by forensic department.
5. What is the forensic test for hair?
6. Summarize about the term histopathology.
7. What is somatoscopy?
8. List any two personal identification technique.
9. List any two crime defection devices.
10. Explain the term DNA chip.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the history of crime.

Or

(b) Examine the socialogical aspects of criminals in society.

12. (a) Examine the forensic test carried out for seminal fluid.

Or

(b) Identify the molecular mechanism for identification of the evidences from the criminal (Body fluids).

13. (a) Identify the procedure involved in scale casting examination of hair.

Or

(b) Examine the method of forensic examination of tissue.

14. (a) Identify and explain about somatometry.

Or

(b) Examine about osteometry.

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15. (a) Explain chromatography as crime detection devices.

Or

(b) Explain about fingerprints examination.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about types of crime.

17. Explain the molecular mechanism for identification of semen fluid from the criminal.

18. Elucidate the forensic examination of hair.

19. Identity the importance of craniometery in determination of age and sex.

20. Examine the importance of SNPs and limitations of DNA profiling.

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